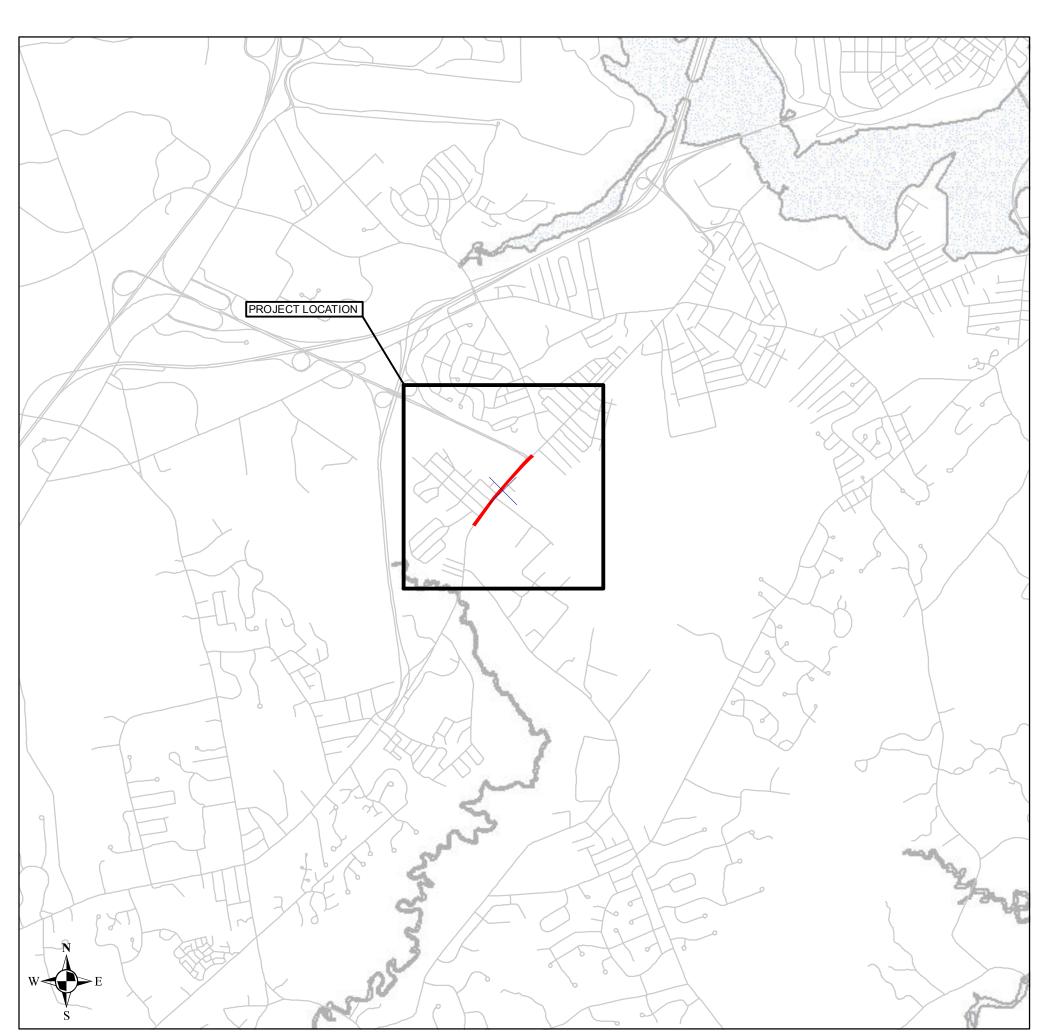
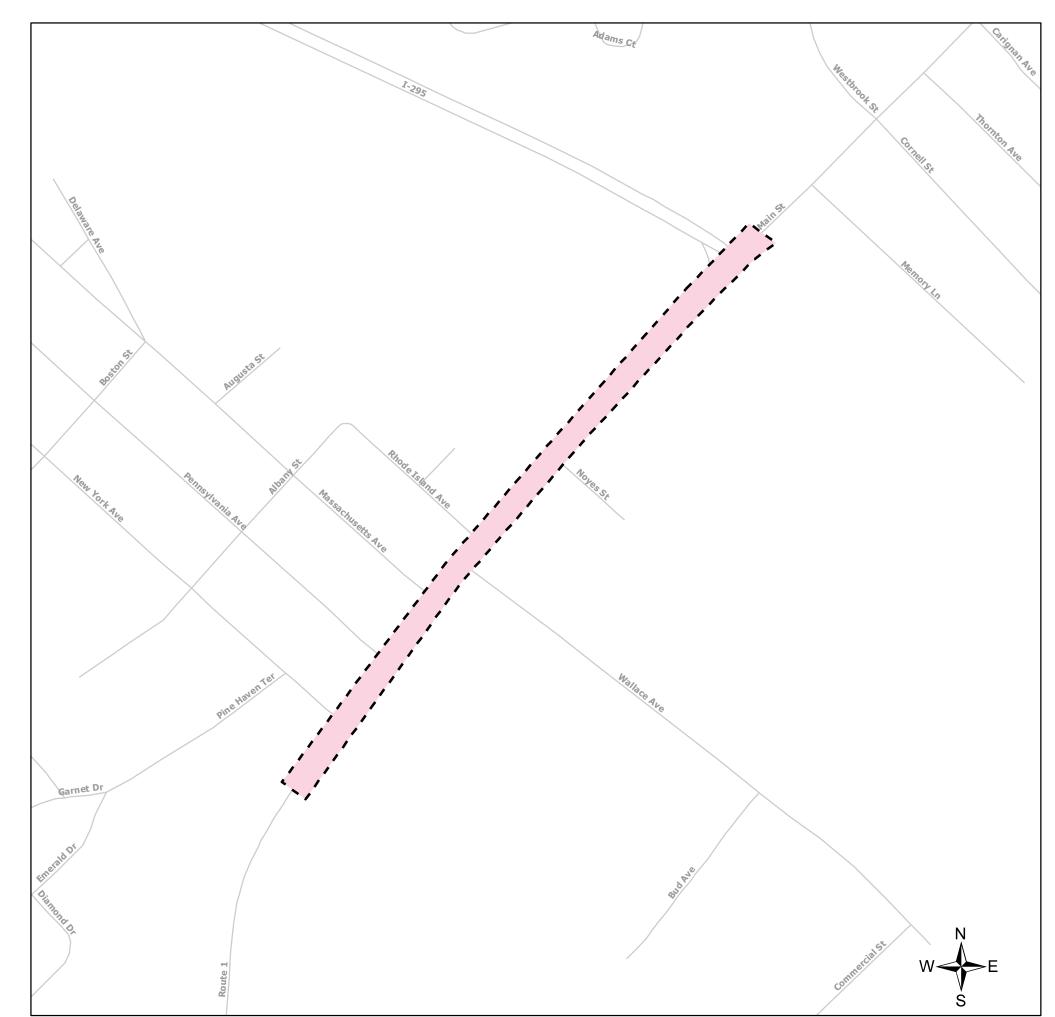
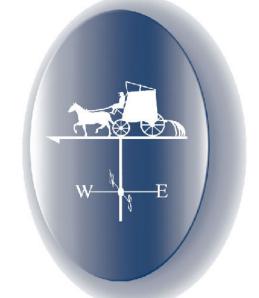
# MAIN STREET (NEW YORK TO MEMORY) WATER MAIN REPLACEMENT SOUTH PORTLAND, MAINE







Portland Water District Asset Management & Planning Department

February 19, 2016

### **EXISTING AND TEMPORARY MAINS**



CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED PIPING AND APPURTENANCES.

. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH 5.5' OF COVER MEASURED FROM PROPOSED ROAD GRADE UNLESS OTHERWISE APPROVED BY A PWD REPRESENTATIVE.

THE PORTLAND WATER DISTRICT WILL NOTIFY CUSTOMERS FOR ALL WORK INVOLVING TEMPORARY SHUT DOWN OF SERVICE. CUSTOMERS MUST RECEIVE AT LEAST 48 HOURS NOTIFICATION PRIOR TO ANY SHUT DOWN. THE DISTRICT MUST RECEIVE NOTICE FROM THE CONTRACTOR OF THE SHUT DOWN AT LEAST 48 HOURS PRIOR TO CUSTOMER NOTIFICATION.

4. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY-WRAPPED PER SPECIFICATIONS.

. THE COST OF PROVIDING TEMPORARY WATER SERVICE TO INCIDENTAL COST FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE. IF PROPERTIES REQUIRING A TEMPORARY WATER CONNECTION HAVE MALFUNCTIONING SILLCOCKS OR NO EXTERIOR PLUMBING, IT MAY BE NECESSARY TO EXCAVATE AND CONNECT INTO THE EXISTING SERVICE LINE BEHIND THE EXISTING SHUT-OFF VALVE TO PROVIDE TEMPORARY

PROVIDE TEMPORARY MAIN CONNECTION TO HYDRANT USING LL BRASS OR 304 SS ADAPTER, 304 SS NPT TO HDPE TRANSITION, AND FLANGED HDPE PIPING TO BRING PIPING ELEVATION FROM HYDRANT PORT TO GRADE. PROVIDE PIPING SUPPORTS/BLOCKING AT FITTINGS. HDPE SHALL BE AWWA C906, SDR 11 WITH IPS FLANGE ADAPTERS AND DI BACKUP RINGS, DIMENSIONS PER AWWA C207. ALL PIPING AND FITTINGS SHALL BE NSF 61.

PROVIDE FLANGED LL DOUBLE CHECK VALVE BACKFLOW DEVICE, SAME NOMINAL SIZE AS TEMP MAIN, AT EACH HYDRANT CONNECTED TO A TEMPORARY MAIN. PROVIDE FLANGED RESILIENT SEATED GATE VALVES FOR ISOLATION AND PROVIDE UPSTREAM AND DOWNSTREAM TAPS. REMOVE BACKFLOW ONLY UPON OWNER'S REQUEST AND PROVIDE FLANGED HDPE REPLACEMENT SPOOL PIECE. HDPE SHALL BE AWWA C906, SDR 11 WITH IPS FLANGE ADAPTERS AND DI BACKUP RINGS. FLANGE DIMENSIONS PER AWWA C207. ALL PIPING AND FITTINGS SHALL BE NSF 61. PROVIDE DOCUMENTATION OF ANNUAL INSPECTION BY A PERSON CERTIFIED BY THE NEW ENGLAND WATER WORKS ASSOCIATION OR AMERICAN BACKFLOW PREVENTION ASSOCIATION.

3. INSTALL 4" TEMPORARY FIRE DEPT CONNECTION (TYP.), 4 GATE VALVE, 90° ELBOW, RISER PIPE, 90° ELBOW, AND 4-1/2" NPT STEAMER PORT CONNECTION WITH CAP. ALL JOINTS TO BE RESTRAINED. STEAMER PORT, RISER AND TEE TO BE ANCHORED TO THE GROUND. OUTLET TO BE BETWEEN 1' AND 2' OFF THE GROUND.

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16. THERE IS A CONCRETE SLAB UNDER THE PAVEMENT ON MAIN STREET. THE CONCRETE REMOVED WILL NOT BE REPLACED.

#### **LEGEND**

**EXISTING WATER MAIN** 

■■■■ PROPOSED WATER MAIN

TEMPORARY WATER MAIN

D---- PROPOSED/RENEWED SERVICE

**RECONNECT SERVICE** 

SHEET:

1 OF 6

**PROPOSED MAINS** 1 " = 40 '

PROJECT:

330277

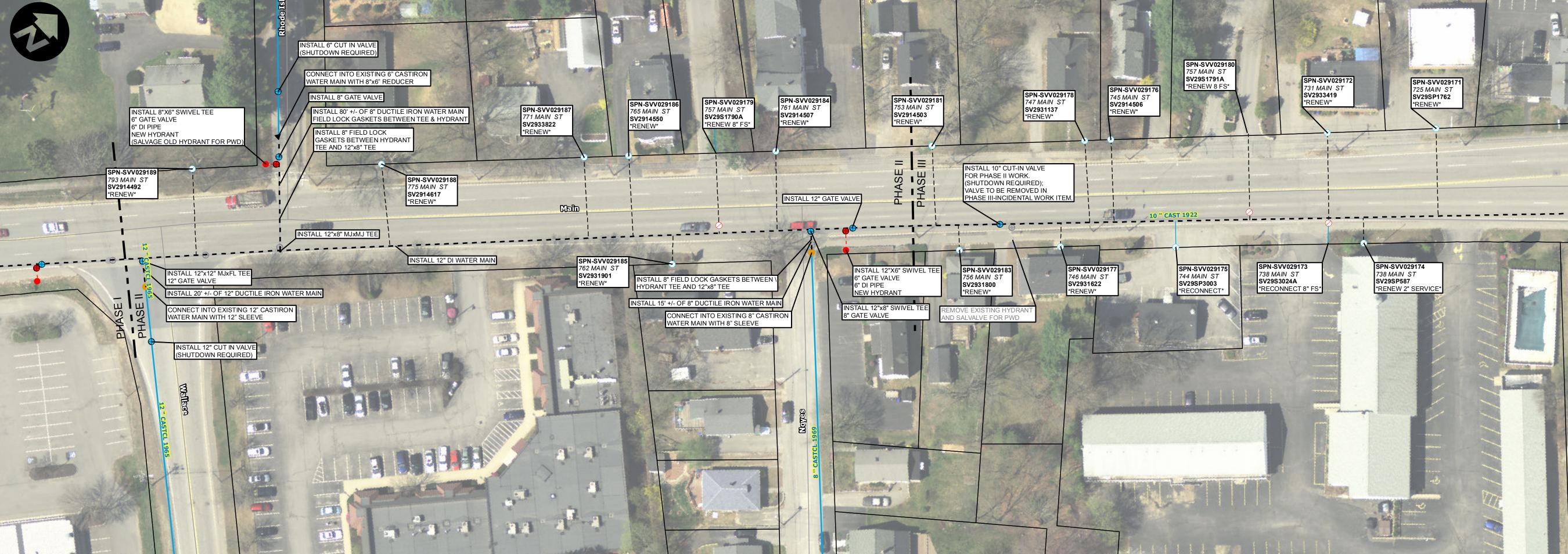
**District** ' AND PLANNING DEPARTMENT ET, PORTLAND ME 04104 VW.PWD.ORG Water

ASSET MANAGEMENT 225 DOUGLASS STREI (207) 774-5961 • WW

**Portland** 

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**PROPOSED MAINS** 

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**NOTES** 

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PROJECT:

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**EXISTING WATER MAIN** 

■■■■ PROPOSED WATER MAIN

TEMPORARY WATER MAIN

PROPOSED/RENEWED SERVICE

**RECONNECT SERVICE** 

SHEET:

**District** 

Water

**Portland** 

ND PLANNING DEPARTMENT F, PORTLAND ME 04104 V.PWD.ORG

ASSET MANAGEMENT 225 DOUGLASS STRE (207) 774-5961 • WM

2 OF 6

**EXISTING AND TEMPORARY MAINS** 1 " = 40 '

SPN-SVV029169 719 MAIN ST SV2914505 \*RENEW\* 15 MAIN ST **SV29SP368** \*RENEW\* INSTALL 12" CUT IN VALV (SHUTDOWN REQUIRED) INSTALL 12" DI WATER MAI 6' OFF CURB LINE INSTALL 1" AIR VALVE CONNECT INTO EXISTING MAIN BY REMOVING REDUCER AND INSTALLING **SPN-SVV02916**8 700 MAIN ST SV29SP1421 SPN-SVV029167 6" GATE VALVE \*RENEW 8" FS\* 6" DI PIPE NEW HYDRANT 690 MAIN ST SV2914498 VALVE AND SALVAGE FOR P

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PROPOSED WATER MAIN

TEMPORARY WATER MAIN

PROPOSED/RENEWED SERVICE

**RECONNECT SERVICE** 

SHEET:

**Portland** 

3 OF 6

PROJECT:

330277

**District** AND PLANNING DEPARTMENT T, PORTLAND ME 04104 W.PWD.ORG Water

ASSET MANAGEMENT 225 DOUGLASS STRE (207) 774-5961 • WW

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D- - - - - PROPOSED/RENEWED SERVICE

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SHEET:

4 OF 6

**EXISTING AND TEMPORARY MAINS** 1 " = 100 '

330277

**District** Water

Portland

